



# MARSHAL MATTERS JUNE 2021 EDITION

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## Marshal's Minute-State Fire Marshal Matt Perez



June has been a very busy month here at the Office of the Illinois State Fire Marshal. We were proud to announce this year's recipients of the Small Equipment Grants. The OSFM received 448 applications, requesting around \$10.5 million in funding for this grant period. We were able to provide \$3.3 million dollars in funding to 149 fire departments, fire protection districts and EMS providers across the state. This program is an innovative approach to a problem that has long caused difficulties for the fire departments and not-for profit ambulance services in Illinois, particularly those that have hardships in generating the necessary revenue for small equipment. The purpose is to allow eligible applicants the opportunity to purchase small equipment that they may otherwise not be able to purchase. A complete list of departments and their awards are available in this newsletter.

The COVID-19 pandemic really put a strain fire department budgets across the state but impacted smaller combination or volunteer fire departments/districts the hardest. These smaller departments rely on fundraising activities to help keep fuel in their trucks and the lights on in the firehouse. The OSFM is proud to announce an innovative funding opportunity specifically addressing Illinois fire departments impacted by the COVID-19 pandemic. A total of \$1,000,000 will be available to assist approximately 80 impacted fire departments that operate in diverse communities throughout the state. Under this one-time grant opportunity, eligible Illinois fire departments could receive up to \$15,000 in order to make up for lost donation revenues stemming from their inability to host local fundraising events during 2020. You can find a link to the application and eligibility requirements on our website at [sfm.illinois.gov](http://sfm.illinois.gov). We have also included more information and a link to the application in this newsletter.

In closing, the July 4<sup>th</sup> holiday is getting closer and that means grills, pools and recreational spots will be busy. We want everyone to keep fire safety in mind. Make sure you clean your grill before using and keep the lid open when starting it. Place the grill away from the side of your home or deck, and out from underneath overhanging branches or overhangs on your home. Numerous communities have canceled fireworks shows again this year, which could be tempting for individuals to hold their own backyard displays. Fireworks are dangerous and should only be used by trained individuals. Fireworks not only could injury those shooting them but could start fires in neighborhoods. Remember, Leave Fireworks to the Professionals. We want everyone to have a safe and fun 4<sup>th</sup> of July free from burns and injuries.

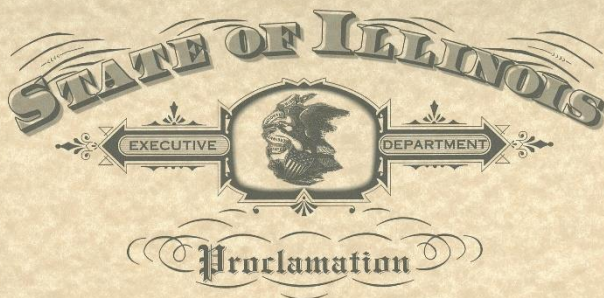


## Line of Duty Death- Mehdi Mourad



*The OSFM sends our thoughts and prayers to the family and friends of fallen hero Mehdi Mourad. We stand with our brothers and sisters at the Wabash Fire Protection District in support and thank you all for what you are doing to keep the citizens of Coles County and the State of Illinois safe.*

*Mehdi joined the fire department just this year. Rest easy brother we will take it from here!*



**WHEREAS**, all residents owe a debt of gratitude to the firefighters of Illinois who selflessly risk their lives to protect people and keep our families and our property safe; and,

**WHEREAS**, every day, these men and women face great risks and often put their lives in danger to perform their duties; and,

**WHEREAS**, on June 27, 2021, Volunteer Firefighter Mehdi Mourad, 21, died as a result of injuries sustained from an automobile accident while in route to a volunteer fire call; and,

**WHEREAS**, Volunteer Fireman Mehdi Mourad attended Lake Land College for automotive studies and worked at KC Summers in Mattoon while volunteering for the Wabash Fire Protection District; he was always willing to help others, loved working on cars, and was living his dream of coming to America and had big hopes he was working towards; and,

**WHEREAS**, Mehdi Mourad was born June 15, 2000, in Morocco, the son of Nathan and Cindy (Stevens) Soflane; grandparents, Samuel H. and Judith A. Stevens; and siblings, Hajar, Omar, Marouane, Khaoula, Najma, Sara, Aouatif, Anwar, Alaina, Nejma, Rihame, Rayane, Sonia, Zak, and Nora; and many other family members from the Children's Haven of Morocco; and,

**WHEREAS**, services for Mehdi Mourad will be held at noon, Saturday, July 3, 2021 at New Hope Church in Effingham, with burial in the Neoga Cemetery;

**THEREFORE**, I, JB Pritzker, Governor of the State of Illinois, do hereby order all persons or entities governed by the Illinois Flag Display Act to lower flags to half-staff from sunrise, Thursday, July 1 to sunset on Saturday, July 3 in honor and remembrance of Volunteer Firefighter Mehdi Mourad whose service shall forever be an inspiration to the people of Illinois.

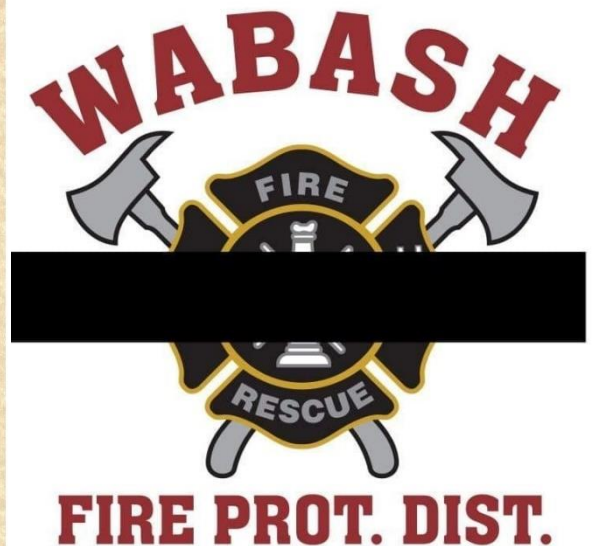
*In Witness Whereof, I have hereunto set my hand and caused the Great Seal of the State of Illinois to be affixed.*

*Done at the Capitol in the City of Springfield,*  
this THIRTIETH day of JUNE, in  
the Year of Our Lord, two thousand and  
TWENTY-ONE, and of the State of Illinois,  
two hundred and THIRD.



*Deese White*  
SECRETARY OF STATE

*JB Pritzker*  
GOVERNOR



## Employee Spotlight



# Ashley Mattingly Fiscal

**Where are you originally from?** Chatham, IL

**Tell us about your family?** I have two kids, Heidi 7 and Kolton 5. Heidi will be starting 2nd grade in the fall and loves to play soccer. Kolton will be going into Kindergarten this fall and loves baseball. My husband David is a lineman for CWLP. We also have a furry member of the family who is a yellow lab named Duke. He is about to be a big brother, because we are getting a chocolate lab in September.

**Favorite food(s)?** A big juicy rare steak, huge baked potato and corn on the cob (very specific)

**Hobbies?** Running, swimming, hiking, playing with my kids, visiting wineries and breweries, attending sporting events, concerts, grilling out, and recently this spring we got into Morel mushroom hunting around our property.

**What's your favorite movie or book?** Tough question, I love a lot of movies! I love The Dark Knight, Forrest Gump, all the Star Wars movies, basically all Julia Roberts chick flicks!

**When you get in the car what type of music will be coming out of your speakers?** Classic Rock for sure but I also listen to country like Zak Brown Band, Willie Nelson, Kenny Chesney, Jason Aldean and Chris Stapleton

**What did you want to be when you were a kid?** In my younger years I always wanted to be an Astronaut, but as I got older, I realized my fear of heights would not bode well for such a career, so I switched it to becoming a professional soccer player.

**What's your favorite part of the job?** The people are all really nice and I love that it is a smaller Agency because I feel like management genuinely cares about everyone.

**What's something unique about you?** I am part Native American. My Great-Grandma LuLu on my dad's side was a Cherokee.

**Where is your favorite place to vacation?** I really loved my honeymoon in Cancun, the ocean was beautiful, and it was so relaxing.

**Where is your bucket list destination?** I think Ireland would be awesome to visit, my husband is part Irish, but also it would be cool to go to Europe and watch a professional soccer game. The atmosphere at those games is crazy. Otherwise anywhere that is warm and tropical, with a beach and count me in!



## Illinois Fire Department COVID Grant Announcement



*Governor JB Pritzker and Illinois State Fire Marshal Matt Perez announced an innovative funding opportunity specifically addressing Illinois fire departments impacted by the COVID-19 pandemic. A total of \$1,000,000 will be available to assist approximately 80 impacted fire departments that operate in diverse communities throughout the state. Under this one-time grant opportunity, eligible Illinois fire departments could receive up to \$15,000 in order to make up for lost donation revenues stemming from their inability to host local fundraising events during 2020. These fundraising events pay for necessities like fuel for fire trucks, utilities, and insurance.*

*In order to be eligible for the assistance grant the applying fire department must:*

- 1) Be an Illinois combination or volunteer fire department;*
- 2) Operate within a jurisdiction with a population at or less than 7,500 people;*
- 3) Have an approved annual budget at or less than \$150,000;*
- 4) Have an OSFM Fire Department Identification Number (FDID); and*
- 5) Be current with their National Fire Incident Reporting System (NFIRS) reports at the time of application.*

*The Office of the State Fire Marshal (OSFM) is pleased to collaborate with the Illinois Fire Chiefs Association (IFCA) who will create a special committee to review the grant applications utilizing a blind review needs-based analysis. The OSFM will facilitate and directly oversee the distribution of the grant awards to the recipients. This grant is financed through the Illinois Fire Prevention Fund, a non-general revenue fund that is supported primarily by a 1% assessment of the gross fire risk premium receipts of all insurance companies operating in the state.*

*All grant applications must be received by August 13, 2021. The application review process will begin on August 23, 2021 and end on September 3, 2021. Grant recipients are expected to receive awards by October 2021.*

*Grant applications can be found by visiting the OSFM website at:*

*<https://www2.illinois.gov/sites/sfm/CurrentFocus/Documents/Fire%20Department%20COVID-19%20Assistance%20Grant%20Application.pdf>*

## OSFM Small Equipment Grant Recipients

The OSFM announced the recipients of the 2021 Small Equipment Grant Program. A total of \$3.3 million was awarded to 149 fire departments/districts and EMS providers across the state. The OSFM received 448 applications, requesting around \$10.5 million in funding for this grant period.

The Small Equipment Grant Program was established to provide grants of up to \$26,000 each for the purchase of small firefighting and ambulance equipment. This program is an innovative approach to a problem that has long caused difficulties for the fire departments and not-for-profit ambulance services in Illinois, particularly those that have hardships in generating the necessary revenue for small equipment. The purpose is to allow eligible applicants the opportunity to purchase small equipment that they may otherwise not be able to purchase.

*"The funding we received from the Office of the State Fire Marshal's Small Equipment Grant Program will help our department replace aging turn out gear. Like numerous other departments across the state, finding sources of funding has been tough. The new gear will allow our firefighters to operate safely on the firegrounds and provide them peace of mind while they are protecting the community," says McLeansboro Fire Chief Jim Morris.*

*"Over the past several years, our hand-held radios have been consistently failing on the fireground, where they are most needed. This was putting our firefighters in great danger, since it was likely that they would not be able to communicate using these radios in an emergency situation. With the high cost to replace the defective equipment, coupled with operating on a tight budget, it was uncertain when (or if) they would be replaced. Now that we have been awarded the Small Equipment Grant from the Office of the Illinois State Fire Marshal, our radios will be replaced with new radios that meet the NFPA standards for functioning during fireground operations. This will have a tremendous impact on our department, both directly through the purchase of new radios, and by allowing department funds to be used on other necessary safety and life-saving equipment. We are very grateful to the Office of the Illinois State Fire Marshal for selecting our department to receive this grant," says Rock Falls Fire Department Captain Kyle Sommers.*

*"This grant award means a great deal to our department as we are a smaller district with a smaller budget. It is imperative that we actively seek grants for equipment purchases and replacements due to skyrocketing cost of fire equipment and related insurance costs. Building, grounds and apparatus upkeep are so very expensive and often our fire districts tax supported budget alone cannot support some of our needs which are necessary to protecting the citizens in our area. We are so very grateful to the Office of the Illinois State Fire Marshal in choosing our agency this year and for recognizing the needs of the fire service throughout Illinois," says South Wheatland Fire Protection District Chief Thomas Williams.*

**OSFM Small Equipment Grant Recipients****Adams:**

Clayton Fire Protection District- \$25,962

Liberty Fire Protection District- \$25,885

**Alexander:**Horseshoe Lake Volunteer Fire Department-  
\$26,000McClure-East Cape Girardeau Fire Protection  
District- \$23,757.50**Bond:**

Shoal Creek Fire Protection District- \$25,909

**Brown:**Brown County Fire Protection District-  
\$26,000

Mount Sterling Fire Department- \$26,000

**Bureau:**Mineral-Gold Fire Protection District-  
\$24,627

Neoponset Fire Protection District- \$21,760

Spring Valley Fire Department- \$19,950

**Carroll:**

Thomson Fire Protection District- \$23,783.90

**Cass:**Virginia Volunteer Fire Department-  
\$10,948.30**Champaign:**

Carroll Fire Protection District- \$16,376.76

Gifford Fire Protection District- \$9,350

Savoy Fire Department- \$10,982

Tolono Fire Protection District- \$18,226

**Christian:**Morrisonville-Palmer Fire Protection District-  
\$23,698.75**Clark:**

Martinsville Fire Protection District- \$26,000

**Clay:**

Xenia Fire Protection District- \$20,175.20

**Cook:**City of Country Club Hills Fire Department-  
\$4,125

Ford Heights Fire Department- \$25,982

Garden Homes Fire Protection District-  
\$23,450

Midlothian Fire Department- \$26,000

North Riverside Fire Department- \$25,732

Park Forest Fire Department- \$22,725

South Chicago Heights Fire Department-  
\$26,000**Dekalb:**

Sycamore Fire Department- \$13,363.98

**DeWitt:**

Kenny Fire Protection District- \$25,112

Wapella Community Fire Protection District-  
\$26,000**Douglas:**

Tuscola Fire Department- \$24,412.50

**Fayette:**Brownstown Fire Protection District-  
\$15,700**Franklin:**

Coello Volunteer Fire Department- \$26,000

**Fulton:**

Cass-Putnam Rescue Service- \$25,839

Copperas Creek Fire Protection District-  
\$17,000

**OSFM Small Equipment Grant Recipients****Gallatin:**

Equality Fire Department- \$26,000

**Greene:**

Roodhouse Fire Protection District- \$22,831

White Hall Fire Protection District- \$24,500

**Grundy:**

Gardner Fire Protection District- \$17,480

Verona-Kinsman Fire Department-

\$10,477.60

**Grundy/LaSalle:**

Seneca Fire Protection and Ambulance

District- \$2,500

**Hamilton:**

McLeansboro Fire Department- \$25,031.92

**Hancock:**

Nauvoo Fire Protection District- \$26,000

**Hardin:**

Rosiclare Fire Department- \$25,151.18

**Henderson:**

Biggsville Fire Protection District- \$21,225

**Iroquois:**

Buckley Fire Protection District- \$26,000

Danforth Township Fire Protection District-

\$22,610

**Jackson:**

Carbondale Fire Department- \$6,771.41

Murphysboro Fire Department- \$8,388

Vergennes Fire Department- \$25,990

**Jefferson:**

Jefferson Fire Protection District- \$25,638

**Jersey:**

Jerseyville Fire Department- \$25,698

**Jo Davies:**

Apple River Fire Protection District- \$26,000

East Dubuque Fire Department- \$23,934

**Johnson:**

Cypress Volunteer Fire Department- \$25,868

**Kane:**

Burlington Community Fire Protection

District- \$26,000

Montgomery & Countryside Fire Protection

District- \$6,565

**Kankakee:**

Bradley Fire Department- \$25,825

Grant Park Fire Protection District- \$24,520

Limestone Township Fire Protection District-

\$26,000

**Kendall:**

Newark Fire Protection District- \$26,000

**Knox:**

Williamsfield Fire Protection District-

\$26,000

**Lake:**

Village of Libertyville- \$25,974

Winthrop Harbor Fire Department- \$12,924

**LaSalle:**

Oglesby Fire Department- \$21,995

Sheridan Community Fire Protection District-

\$26,000

Tonica Volunteer Fire Department, Inc.-

\$25,528



**OSFM Small Equipment Grant Recipients****Livingston:**

Dwight Fire Protection District- \$21,885  
Fairbury Fire Department- \$26,000  
Odell Fire Protection District- \$25,720

**Logan:**

Emden Fire Protection District- \$15,520  
Middletown Fire Protection District-  
\$25,729.45

**Macon:**

Hickory Point Fire Protection District-  
\$21,837.95  
Mt. Zion Fire Protection District- \$25,670  
South Wheatland Fire Protection District-  
\$23,165.18

**Macoupin:**

Brighton Betsy Ann Fire Protection District-  
\$24,144.89  
Bunker Hill Fire Protection District-  
\$12,750.95  
Girard Fire Protection District- \$25,256

**Madison:**

Alhambra Community Fire Protection  
District- \$25,103  
Collinsville Fire Department- \$20,000  
Cottage Hills Fire Protection District- \$26,000  
Edwardsville Fire Department- \$9,554  
Olive Fire Protection District- \$11,836  
Saint Jacob Fire Department- \$22,600  
South Roxana Fire Protection District-  
\$26,000  
Village of East Alton Fire Department-  
\$25,367.25  
Worden Fire Protection District- \$26,000

**Marion:**

Kell Community Fire Protection District-  
\$25,752.18  
Salem Fire Protection District- \$14,580

**Marshall:**

Lacon-Sparland Fire Protection District-  
\$25,820

**Mason:**

Havana Rural Fire Protection District-  
\$10,460  
Mason City Fire Department- \$25,811.80

**Massac:**

Brookport Fire Department- \$26,000

**McHenry:**

Marengo Fire Protection District- \$26,000

**McLean:**

Allin Township Fire Protection District-  
\$8,865  
Bellflower Fire Protection District- \$5,741

**Mercer/Rock Island:**

Reynolds Fire Protection District- \$25,974

**Monroe:**

Hecker Fire Protection District- \$21,178.80  
Valmeyer Fire Protection District- \$21,770

**Montgomery:**

Fillmore Community Fire Protection District-  
\$26,000  
Nokomis Area Fire Protection District-  
\$16,773

## OSFM Small Equipment Grant Recipients

**Morgan:**

South Jacksonville Volunteer Fire  
Department- \$20,636

**Moultrie:**

Dora Township Fire Protection District-  
\$24,830  
Sullivan Fire Protection District- \$26,000

**Ogle:**

Oregon Fire Protection District- \$24,500

**Peoria:**

Akron-Princeville Fire Protection District-  
\$25,751.02  
Elmwood Fire Department Inc.- \$26,000  
Peoria Heights Fire Department- \$25,660

**Perry:**

DuQuoin Fire Department- \$25,300  
Pinckneyville Fire Protection District-  
\$26,000

**Piatt:**

Cerro Gordo Fire and Rescue- \$25,000  
Monticello Fire & Rescue Department-  
\$22,398

**Pike:**

Pleasant Hill Fire Protection District- \$16,622

**Pulaski:**

Olmsted Fire Department- \$25,795.47

**Putnam:**

Magnolia Fire Protection District- \$25,640

**Randolph:**

Sparta Fire Department- \$26,000  
Steeleville Fire Department- \$21,000.88

**Richland:**

City of Olney Fire Department- \$25,618.44

**Sangamon:**

Divernon Fire Protection District- \$22,500  
Williamsville Fire Protection District- \$25,900

**Schuyler:**

City of Rushville- \$17,538.40

**St. Clair:**

Cahokia Volunteer Fire Department- \$19,095  
French Village Fire Department- \$20,282.28  
The East St. Louis Fire Department- \$26,000

**Stephenson:**

Freeport Fire Department- \$12,950  
Orangeville Fire Protection District- \$20,260  
Rock City Fire Protection District- \$23,745

**Tazewell:**

Cincinnati Fire Protection District-  
\$24,774.76  
North Pekin Fire Department- \$21,741  
Schaeferville Fire Protection District-  
\$24,130.30

**Union:**

Ware-Wolf Lake Protection District- \$25,972

**Vermilion:**

Westville AFD- \$26,000

**Wabash:**

Allendale Rural Fire Protection District-  
\$25,651.44

**OSFM Small Equipment Grant Recipients****Warren:**

Central Warren Fire Protection District-  
\$24,823.80

Monmouth Fire Department- \$25,348

**Washington:**

Addieville Community Fire Protection District-  
\$25,723.92

**Wayne:**

Bedford Township Fire Protection District-  
\$25,990

Fairfield Fire Department- \$24,134

**Whiteside:**

Rock Falls Fire Department- \$26,000

**Will:**

Beecher Fire Protection District- \$26,000  
Northwest Homer Fire Protection District-  
\$25,650

**Williamson:**

Energy Fire Department- \$22,700  
Hurst Fire Department- \$25,550.80  
Lake Egypt Fire Protection District- \$25,979  
Williamson County Fire Protection District-  
\$26,000

**Winnebago:**

Blackhawk Fire Protection District- \$26,000  
New Milford Fire Protection District- \$26,000  
Win Bur Sew Fire Protection District- \$22,008

**Woodford:**

Deer Creek Fire Protection District- \$26,000  
Secor Fire Protection District- \$16,640



*Congratulations*



## OSFM Arson Canine Retirements



*The OSFM thanks Canine Agent Zoe for her years of service to the agency. Zoe worked with Special Agent Mitch Kushner and now plans to enjoy more naps and belly rubs!*

*Enjoy your well-deserved retirement Zoe!*



*The OSFM thanks Canine Agent Mazey for her years of service to the agency. Mazey worked with Special Agent Shane Arndt and now plans to enjoy more naps and belly rubs!*

*Enjoy your well-deserved retirement Mazey!*



## IFSI Minute

### AN UPDATE FROM THE ILLINOIS FIRE SERVICE INSTITUTE



The month of June was very busy for the Illinois Fire Service Institute as we hosted two annual training events, two dedication ceremonies, and a retirement celebration for Colonel Mortenson. The energy and excitement among students, staff, and special guests alike has been refreshing as we gradually return to traditional operations.

### FIRE COLLEGE

IFSI hosted the 97<sup>th</sup> Annual Fire College at three training locations 3-6 June. Over the course of the four-day event, nearly 200 first responders from across Illinois received hands-on, elite training, delivered by a dedicated team of over 100 instructors and staff.



### EXPLORER CADET FIRE SCHOOL

One week after Fire College, our team welcomed 170 explorers, cadets, and chaperones to Champaign for the 18<sup>th</sup> Annual Explorer Cadet Fire School. While the format of the 2021 event was altered due to University of Illinois restrictions, the participants from 31 departments received a top-quality training experience. Year after year, this event offers a unique opportunity for young professionals to learn more about a potential career in the fire service.



### LOOKING AHEAD

IFSI is gearing up for the 2021 fall training season, to include the next offering of the Basic Operations Firefighter Blended (BOF) program. Registration is open for all training programs.

**BASIC**

**BOF**

**OPERATIONS FIREFIGHTER**

**Basic Operations Firefighter  
NFPA Firefighter I Blended**

is designed to give firefighters the practical and cognitive training needed to operate safely and effectively on the fireground utilizing a flexible blended schedule leveraging online learning and weekend hands-on practicals.

**BEGINS JULY 24, 2021**

<p><b>4 Practical Sites:</b> Rockford Sherman Streator Swansea</p>	<p><b>NO COST TRAINING</b> to Students or Departments</p>	<p><b>18 WEEK PROGRAM</b> featuring 9 Weekend Practical Sessions and Online Learning</p>
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**UNIQUE, FLEXIBLE TRAINING LEADING TO CERTIFICATION**

FSI.ILLINOIS.EDU

## IFSI Minute

It has been a great month as we celebrated Director Mortenson's retirement. Thanks to all who took personal time to join the IFSI team for the festivities. We wish Colonel Mortenson well and thank him for 9 years of dedicated service to IFSI and the Illinois fire service.

As of July 1, Chief Jim Keiken has assumed the role of Director. Chief Keiken has served as Deputy Director of IFSI since 2013.





## Peer Support Training Course

[www.ilffps.org](http://www.ilffps.org)



### Illinois Fire Fighter Peer Support

## PEER SUPPORT TRAINING COURSE

**When:**

**Saturday Sept. 25, 830am-4pm**

**Sunday, Sept. 26, 830am-4pm**

**Where:**

**Amboy Fire Department Headquarters**

**25 N. East Ave**

**Amboy IL 61310**

**Cost:**

**\$0 The cost of this class is covered by a grant from the Illinois State Fire Marshall**

**Please go to [ilffps.org](http://ilffps.org) and click on the registration page to submit your application.**

**Any questions feel free to contact us at [ilffps1@gmail.com](mailto:ilffps1@gmail.com)**

Upon successful completion of the training, participants will be a member of the Peer Support team. As a member you will potentially meet one on one with peers as well as participate in outreach events. You will also be asked to attending formal events like Road To Help and Re;act. We will also be looking for people to write articles for our blog.

## Youth Firesetter Intervention Class

# Youth Firesetter Intervention Class

The Rockford Fire Department will be hosting a Youth Fire Setter Intervention Program class for the Office of the State Fire Marshal.

Here is the training information:

**Date & Time:** Thursday, September 16, & Friday, September 17, 2021

**Registration is from 8:00 am to 8:30 am on Thursday, September 16**

**Place:** 725 N. Lyford (RMTD Station)  
Rockford, IL 61107

If you would like to register for this training, please click here

<https://www2.illinois.gov/sites/sfm/Events/Pages/YFSIPClass-Rockford.aspx>

This class is limited to **30 students** due to the current COVID-19 distancing safety measures.

There is a fee of \$100 per student for this class. Please make the check payable to the Office of the State Fire Marshal, and mail it to the Office, prior to the training date:

Office of the Illinois State Fire Marshal  
Arson Division – YFSIP  
1035 Stevenson Drive  
Springfield, IL 62703

For further information, please feel free to call me at (217) 415-7206, or email me  
[Simony.Weyforth@illinois.gov](mailto:Simony.Weyforth@illinois.gov).

We are looking forward to seeing you in Rockford!

**Simony Weyforth**  
Youth Fire Setter Program Coordinator



## Fireworks Safety- 2020 Illinois Statistics

### FIREWORKS

Each year, fireworks injure thousands and cause thousands of fires.

Fireworks cause an estimated **19,500** reported fires in the U.S. each year.

U.S. hospital emergency rooms saw an estimated 9,100 people for fireworks-related injuries in 2018.



#### Fireworks Injuries by Body Part

Eye  
**19%**

Arm  
**4%**

Hand or Finger  
**28%**

Head, Face or Ear  
**15%**

Trunk or Other  
**10%**

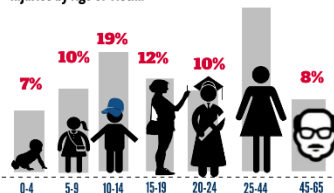
Leg  
**24%**



**Burns** accounted for 44% of the fireworks injuries seen in the month around July 4th.

#### Fireworks Injuries: Demographics

Injuries by Age of Victim



**MALES** ACCOUNT FOR **64%** OF FIREWORKS-RELATED INJURIES

More than **one-third** (36%) of the victims of fireworks injuries were under age 15.

About 28% of fires started by fireworks each year, are reported on Independence Day.



Healthcare facilities reported 163 persons having been injured by fireworks during the 2020 seasonal reporting period. Approximately half of all injured persons suffered multiple injuries. Of those injured, 120 are male. Over half of all injuries (59%) occurred to persons over 22 years of age. Children's injuries in the 11-16 age group almost doubled (23) from the previous year of 12.

More than 50% of all injuries affected hands (27%), injuries to the head/face (13%) and legs (13%). Second degree burns were the leading type of injury at 27% followed by first degree burns at 20%. Abrasions and Lacerations combined for 22% of injuries.

Dismemberment/amputation injuries increased to 19 as compared to 12 in 2019.

The reported injuries were related to a wide variety of fireworks with "Mortars" (26%) and "Unknown Type" (20%) listed as the most frequent type of fireworks or pyrotechnic effect involved in injury. This was followed by Sparklers (19%), with Roman Candles (10%), Bottle Rockets (9%) and Salutes at 6%. The balance of injuries reported were associated with various other effects including handheld (4%), firecrackers (4%) and homemade devices (4%).

The OSFM Fire Prevention Division greatly appreciates the participation of all hospitals and reporting facilities who submit data. While the majority of injuries occur during the seasonal July reporting, hospitals and treating facilities are encouraged to report fireworks related injuries throughout the year. While a few reports were received in paper format, 94% of these were received electronically via:

<https://www2.illinois.gov/sites/sfm/SFMDocuments/Documents/PyrotechnicHospitalFireworksSurvey.pdf>



**NATIONAL FIRE PROTECTION ASSOCIATION**  
The leading information and knowledge resource on fire, electrical and related hazards

For more information, please visit: [www.nfpa.org/fireworks](http://www.nfpa.org/fireworks)

\*Information sourced from CPSC, and NFPA's "Fireworks Report"

powered by  
**PIKTOCHART**



## Fireworks Injury Reporting



**OFFICE OF THE ILLINOIS  
STATE FIRE MARSHAL**

If you have Internet Explorer click here to submit this form.

Otherwise this form must be downloaded and  
emailed to SFM.FirePrevention@illinois.gov

**Fireworks Hospital Data Sheet**  
For the Period of January through December

**Emergency Room Staff:** Please complete this form for each fireworks-related injury treated during the study period. Select the check box identifying the type of firework, then select the check box in each category that applies. Please use the comments section for additional information. Upon completion of the study, please click the Submit button above.

**Hospital Name:** \_\_\_\_\_ **City:** \_\_\_\_\_ **County:** \_\_\_\_\_

**Injury Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Transferred from:** \_\_\_\_\_

**1. Type of Device** (Please check box next to identified device)



☐ Fire Cracker/  
Ladyfinger



☐ Crazy Jack/  
Jumping Jacks etc.



☐ Silver Salute/  
M 80 etc.



☐ Smoke/Cherry  
Bombs



☐ Missile  
Rocket



☐ Fountains  
Base/Cone/Hand Held



☐ Candles  
Roman/California



☐ Sky or Bottle  
Rocket



☐ Sparkler  
Wire/Wood Core



☐ Mortar

☐ Public Display

☐ Homemade

☐ Unknown

2. AGE	3. TYPE	4. BODY PART	5. ACTION TAKEN
<input type="radio"/> 0 - 6	<input type="radio"/> Abrasion <input type="radio"/> Fracture	<input type="radio"/> Arm <input type="radio"/> Hand	<input type="radio"/> Hospitalized < 24 hours
<input type="radio"/> 7 - 10	<input type="radio"/> Burn (1 <sup>st</sup> Degree) <input type="radio"/> Hearing Loss	<input type="radio"/> Ear <input type="radio"/> Head/Face	<input type="radio"/> Hospitalized > 24 hours
<input type="radio"/> 11 - 16	<input type="radio"/> Burn (2 <sup>nd</sup> Degree) <input type="radio"/> Laceration	<input type="radio"/> Eyes <input type="radio"/> Leg	<input type="radio"/> Treated & released
<input type="radio"/> 17 - 21	<input type="radio"/> Burn (3 <sup>rd</sup> Degree) <input type="radio"/> Loss of Sight	<input type="radio"/> Fingers <input type="radio"/> Neck	<input type="radio"/> Transferred to:
<input type="radio"/> 22 & Over	<input type="radio"/> Fatality <input type="radio"/> Other	<input type="radio"/> Foot <input type="radio"/> Torso	
<input type="radio"/> Unknown	<input type="radio"/> Dismemberment/Amputation		

☐ Male

☐ Female

*The OSFM encourages all healthcare providers to participate in a voluntary survey when people come in with injuries related to fireworks. The more providers that participate in the program will help to show a more accurate picture when it comes to the number of fireworks injuries that occur across Illinois.*

*There were 89 participating healthcare providers who voluntarily provided data to OSFM on fireworks injuries in 2020, compared to 56 in 2019. OSFM encourages healthcare providers to participate in reporting this information. Reports can be submitted in paper format or by visiting:*

*<https://www2.illinois.gov/sites/sfm/SFMDocuments/Documents/PyrotechnicHospitalFireworksSurvey.pdf>*

## Fireworks Safety



**FIREWORKS** are often used to mark special events and holidays. The only safe way to view fireworks is to attend a professional show. With many professional firework shows being canceled this year, it is important to know that **fireworks are not safe in the hands of consumers**. Fireworks cause thousands of injuries each year.

### A few ideas to get into the patriotic spirit, without fireworks:

1. Use glow sticks, they glow in the dark and are a safe alternative to a sparkler. Fun for all ages.
2. Loud and proud. Noise makers are sure to make a statement. They can be found at local party supply stores or make your own.
3. Outdoor movie night. Set up a screen and projector. Don't forget the bugspray!
4. Red, white and blue silly string...fun for all ages.
5. Make a patriotic craft with the family.
6. Throw a birthday party for the USA, and don't forget the cake.



### FACTS

- More than 19,500 reported fires are started by fireworks annually.
- Burns account for 44% of the 9,100 injuries treated in emergency rooms seen in the month around July 4.
- Half of the fireworks injuries seen at emergency rooms were extremities: hand, finger, or leg. One-third were to the eye or other parts of the head.
- Children ages 10–14 had the highest rate of fireworks injury, with more than one-third (36%) of the victims of fireworks injuries under age 15.
- Sparklers account for roughly one-quarter of emergency room fireworks injuries.

Source: U.S. Consumer Product Safety Commission (CPSC) 2018 Fireworks Annual Report



**NATIONAL FIRE PROTECTION ASSOCIATION**  
The leading information and knowledge resource on fire, electrical and related hazards





Happy 4<sup>th</sup> of July

Happy 4<sup>th</sup> of July  
From the OSFM!





## Carbon Monoxide Alarm Requirements

### Carbon Monoxide Alarm Requirements – Fact Sheet

Occupancy	Power Supply	Code Reference	Location	** Notes
New and Existing Public Schools	Schools designed before 1/1/2016 – battery power permitted Schools designed on or after 1/1/2016 – must be permanently powered by bldgs. electrical system and connected to the building's FACP	State Act ILCS 5/10-20.57	Located within 20 ft. of a carbon monoxide emitting device. State Act ILCS 5/10-20.57	** must be in operating condition and inspected annually. ** Interpretation questions regarding location requirements should be directed to the ROE and not to Technical Services.
New Day Care Home (only if fuel fired equipment present or attached enclosed parking structure and if client sleeping occurs)	Battery capable of producing an alarm signal for at least 12 hrs, or directly hardwired into the buildings electrical circuit. Hardwired will require battery backup. NFPA 720 (9.5)	NFPA 101, 2015 edition 16.6.3.4.5, 9.12 NFPA 720	Outside each separate sleeping area in the immediate vicinity of the bedrooms, on every occupiable level of dwelling unit, including basements NFPA 720 (9.4.1.1)	** located on the wall, ceiling, or other locations as specified in the manufacturer's instructions that accompany unit. NFPA 720 (9.4.1.2)
One- and Two-Family Dwellings (only if fuel burning appliances or fireplaces or attached unvented garages)	Battery capable of producing an alarm signal for at least 12 hrs, or directly hardwired into the buildings electrical circuit. Hardwired will require battery backup. NFPA 720 (9.5)	NFPA 101, 2015 edition 24.3.4.2, 9.12 NFPA 720	Outside each separate sleeping area in immediate vicinity of sleeping rooms, on every occupiable level of dwelling unit, including basements. (24.3.4.2.2) NFPA 720 (9.4.1.1)	** located on the wall, ceiling, or other locations as specified in the manufacturer's instructions that accompany unit. NFPA 720 (9.4.1.2) ** Attics, crawl spaces excluded ** dwelling units attached to open or mechanically ventilated garages, and garages are excluded from installation (24.3.4.2.3)
New Lodging or Rooming Houses (only if fuel burning appliances or fireplaces or attached unvented garages)	Battery capable of producing an alarm signal for at least 12 hrs, or directly hardwired into the buildings electrical circuit. Hardwired will require battery backup. NFPA 720 (9.5)	NFPA 101, 2015 edition 26.3.4.6, 9.1.6, NFPA 720	Outside each separate sleeping area in immediate vicinity of sleeping rooms, on every occupiable level of dwelling unit, including basements. (26.3.4.6.2) NFPA 720 (9.4.1.1)	** located on the wall, ceiling, or other locations as specified in the manufacturer's instructions that accompany unit. NFPA 720 (9.4.1.2) ** Attics, crawl spaces excluded ** dwelling units attached to open or mechanically ventilated garages, and garages are excluded from installation (26.3.4.6.3)
New Hotel and Dormitories (only if guestrooms have permanently installed fuel burning appliances or fireplace or are attached to an unvented garage)  See Section 28.3.4.6.4 for areas needing CO detection outside of guestrooms	Battery capable of producing an alarm signal for at least 12 hrs, or directly hardwired into the buildings electrical circuit. Hardwired will require battery backup. NFPA 720 (9.5)	NFPA 101, 2015 edition 28.3.4.6 NFPA 720	Outside each guest room or suite sleeping area in the immediate vicinity of the sleeping rooms, on every occupiable level of guest room or suite (28.3.4.6.1) NFPA 720 (9.4.1.1)	** located on the wall, ceiling, or other locations as specified in the manufacturer's instructions that accompany unit. NFPA 720 (9.4.1.2) Guest rooms attached to open or mechanically ventilated garages, and garages are excluded from installation (28.3.4.6.3)
New Apartments (only if dwelling units have permanently installed fuel burning appliances or fireplace or are attached to an unvented garage)  See Section 30.3.4.6.4 for areas needing CO detection outside of the dwelling units.	Battery capable of producing an alarm signal for at least 12 hrs, or directly hardwired into the buildings electrical circuit. Hardwired will require battery backup. NFPA 720 (9.5)	NFPA 101, 2015 edition 30.3.4.6, 9.1.2 NFPA 720	Outside each dwelling unit sleeping area in the immediate vicinity of the sleeping rooms, on every occupiable level of a dwelling unit. (30.3.4.6.2) NFPA 720 (9.4.1.1)	** located on the wall, ceiling, or other locations as specified in the manufacturer's instructions that accompany unit. NFPA 720 (9.4.1.2) ** Dwelling units attached to open or mechanically ventilated garages, and garages are excluded from installation (30.3.4.6.3)

June 2021



## Elevator Company Reminder

### IMPORTANT REMINDER FOR ILLINOIS ELEVATOR COMPANIES!

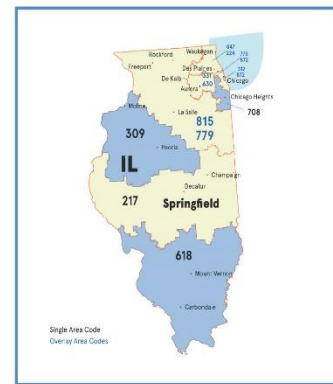
**Effective October 24, 2021, MANDATORY 10-digit (or 1+ 10-digit) local dialing is required for all customers in the Illinois 309, 618 and 708 Area Codes**

**All Elevator Companies must have any necessary changes for all elevators in the 309, 618, and 708 area codes completed by October 24, 2021.**

#### **Why is the local dialing plan changing?**

On July 16, 2020, the FCC adopted an Order (FCC 20-100) approving 988 as the 3-digit abbreviated dialing code to reach the National Suicide Prevention Lifeline, starting July 16, 2022. Customers must continue to dial 1-800-273-TALK (8255) to reach the Lifeline until July 16, 2022.

The Order requires all telecommunications carriers, interconnected Voice over Internet Protocol (VoIP) providers, and one-way VoIP providers (covered providers) to make any network changes necessary to ensure that users can dial 988 to reach the existing National Suicide Prevention Lifeline by July 16, 2022. In order for 988 to work in the Illinois 309, 618 and 708 area codes, 10-digit local dialing (or 1+10-digit dialing) must first be implemented.



#### **Does this apply to Illinois?**

Yes. Implementation of this Order requires all covered providers to make 10-digit dialing mandatory for all local calls in the entire Illinois 309 and 618 area codes and 1+10-digit dialing in the 708 area code (shown in blue on the map to the right) because 988 is assigned to customers as a working prefix. Areas shown in yellow on the map are not affected by this change.

#### **Why is 10-digit dialing going to be required in these area codes?**

The FCC ordered that any area code that has the 988 prefix assigned and has 7-digit local dialing be transitioned to 10-digit local dialing to ensure everyone is able to reach the National Suicide Prevention Lifeline using the 3-digit 988 code.

#### **Will everyone in the 309 and 618 area codes have to dial 10-digits and in the 708 area code have to dial 1+10-digits for local calls?**

Yes. Every customer in the entire 309 and 618 area codes have to change to mandatory 10-digit dialing and in the 708 area code will have to change to mandatory 1+10-digit dialing for local calls. Dialing 7-digits for local calls will be prohibited for all customers in all three area codes.

#### **What will be the new dialing procedure?**

To complete local calls, the new dialing procedure requires callers to dial the area code + telephone number in the 309 and 618 area codes and 1+ the area code + telephone number in the 708 area code. This means that all local calls in the entire 309, 618 and 708 area codes that are currently dialed with 7-digits will need to be dialed using the new dialing procedure in each area code.



## Elevator Company Reminder

### ***When will the dialing change become mandatory?***

Beginning **October 24, 2021**, you must dial 10-digits (area code + telephone number) for all local calls in the 309 and 618 area codes and 1+10 digits (1+area code + telephone number) in the 708 area code. On and after this date, local calls dialed with only 7-digits may not be completed, and a recording will inform you that your call cannot be completed as dialed. If you get this recording, you must hang up and dial again using 10-digits (area code + telephone number) in the 309 and 618 area codes and 1+10 digits (1+area code + telephone number) in the 708 area code.

**All Elevator Companies must have any necessary changes for all elevators in the 309, 618, and 708 area codes completed by October 24, 2021.**

### ***What other changes need to be made?***

In addition to changing your dialing patterns, all services, automatic dialing equipment, or other types of equipment that are programmed to complete local calls using only 7-digit numbers will need to be reprogrammed to complete calls to 10-digit numbers. Some examples are:

- life safety systems or medical monitoring devices
- PBXs
- fax machines
- Internet dial-up numbers
- fire or burglar alarm and security systems or gates
- speed dialers
- mobile or other wireless phone contact lists
- call forwarding settings
- voicemail services and other similar functions

Be sure to check your website, personal and business stationery, advertising materials, personal and business checks, contact information, your personal or pet ID tags, and other such items to ensure the area code is included.

### ***What will remain the same?***

- Your telephone number, including current area code, will not change
- The price of a call, coverage area, or other rates and services will not change due to the dialing change
- What is a local call now will remain a local call regardless of the number of digits dialed
- You will continue to dial 1+ the area code + telephone number for all long-distance calls
- You will continue to dial a prefix (such as "9") when dialing from a multi-line telephone system (e.g., in a hotel, office building, etc.) as required
- You can still dial just three digits to reach 711 (relay services) and 911 (emergency services)
- If 211, 311, 411, 511, 611, or 811 are currently available in your community, dial these codes with just three digits
- The National Suicide Prevention Lifeline can still be reached by dialing 1-800-273-8255 (TALK) even after the 988 code is in effect

### ***When can I begin dialing "988" to reach the National Suicide Prevention Lifeline?***

Beginning **July 16, 2022**, dialing "988" will route your call to the National Suicide Prevention Lifeline. Customers must continue to dial 1-800-273-8255 (TALK) to reach the Lifeline until July 16, 2022.

### ***Still have questions?***

Companies with questions about the change to the dialing procedure should contact their local service provider or send an email to [988@nanpa.com](mailto:988@nanpa.com). For additional information, visit the [NANPA website](#) and the [FCC website](#).



**Fire Prevention Week 2021**

*Fire Prevention Week 2021 will be October 3-9<sup>th</sup>. This year's fire prevention week campaign, "Learn the Sounds of Fire Safety!" works to educate everyone about the different sounds the smoke and carbon monoxide alarms make. Knowing what to do when an alarm sounds will keep you and your family safe. When an alarm makes noises – a beeping sound or a chirping sound – you must take action.*

*In 1925, President Calvin Coolidge proclaimed Fire Prevention Week a national observance, making it the longest-running public health observance in our country. During Fire Prevention Week, children, adults, and teachers learn how to stay safe in case of a fire. Firefighters provide lifesaving public education in an effort to drastically decrease casualties caused by fires.*

*Fire Prevention Week is observed each year during the week of October 9th in commemoration of the Great Chicago Fire, which began on October 8, 1871, and caused devastating damage. This horrific conflagration killed more than 250 people, left 100,000 homeless, destroyed more than 17,400 structures, and burned more than 2,000 acres of land.*

*Visit [firepreventionweek.org](https://www.firepreventionweek.org) to learn more and find out how your department or district can participate.*

## Firefighter Safety Stand Down Week

# 2021 FIREFIGHTER SAFETY STAND DOWN



*Firefighter Safety Stand Down week was June 20-26<sup>th</sup>. This year's theme focused on rebuilding rehab to encompass all areas of post-incident physical and psychological health.*

*Each day highlighted a different topic:*

**Monday:** Heat Stress/Hydration

**Tuesday:** Cardiac Health/Nutrition

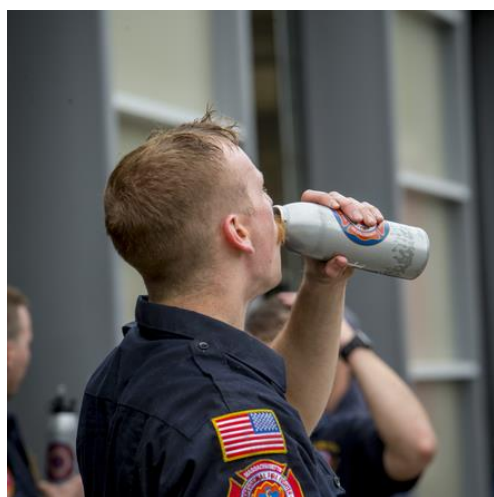
**Wednesday:** Exposure Mitigation

**Thursday:** Mental Health

**Friday:** Rehab Support Operations

*Multiple resources are available to departments and districts to help create programs that are tailored to the needs of their firefighters and first responders.*

<https://www.safetystanddown.org/resources/>



## DEI Working Group



*OSFM DEI efforts continued throughout the month of June (aka –“Pride Month”).*

*Deputy Director Armstead, Chief Fiscal & Administrative Officer Wickenhauser, and Senior Policy Advisor Schneller successfully completed the Illinois Department of Human Rights DEI Train the Trainer course. DEI training for agency staff can now be facilitated in-house.*

*The DEI Working Group met on June 10, 2021. Agenda items included: an update to the OSFM DEI Action Plan; an update regarding the OSFM Language Accessibility Plan recently filed by HR Director Schrage; a presentation by Cathy Stashak regarding race in America; and a lively discussion led by State Fire Marshal Perez about LGBTQ identity and intersectionality.*

*The OSFM continues to support the LGBTQ community and looks forward to increased collaboration and partnership which advances their acceptance, their access to opportunities and resources, as well as their meaningful inclusion in our public safety mission.*

*Please see the below link regarding how to become an LGBTQ Ally:*

*<https://www.msn.com/en-us/health/wellness/6-ways-to-be-an-lgbtq-ally/ar-BB1qrH7K?li=BBnb7Kz>*

*Below is a link to a recent U.S. Supreme Court decision involving a transgender student who challenged their school bathroom assignment:*

*<https://www.cnn.com/2021/06/28/politics/gavin-grimm-supreme-court/index.html>*

*The next OSFM Employee DEI Working Group meeting is scheduled for July 8, 2021 at 2:00 PM. Any OSFM staff member who desires to serve on the working group (or who would simply like to attend a meeting as a guest) should contact Deputy Director Armstead or HR Director Schrage.*

*Please reach out to us if you are one of our fire service partners and need assistance with starting your own DEI initiative.*

**Diversity** = Acceptance of all

**Equity** = Access for all

**Inclusion** = Meaningful participation by all



## Coffee with the Chief- O'Fallon

*The OSFM traveled to O'Fallon on June 9<sup>th</sup> to shoot our latest edition of Coffee with the Chief. Fire Marshal Perez sat down with O'Fallon Fire Chief Brad White to learn about this mainly volunteer department that is located in the metro east, just outside St. Louis.*

*Learn about the history of the department, the City of O'Fallon, how they continue to run mainly a volunteer department and a bell that was used in the past to alert firefighters of a call.*

*You can find the latest edition here:*  
<https://youtu.be/HqKHLiFxLR4>





## Heat Safety Tips

### Heat Impacts: Vulnerable Populations



#### PREGNANT

Extreme heat events have been associated with adverse birth outcomes such as low birth weight, preterm birth, infant mortality, and congenital cataracts.



#### NEWBORNS

Newborns are extra sensitive to heat because their ability to regulate body temperature is limited.



#### CHILDREN

Young children and infants are particularly vulnerable to heat, as their bodies are less able to adapt to heat than adults. Those under four are especially vulnerable.



#### ELDERLY

Older adults, especially those who have preexisting diseases, take certain medications, live alone or have limited mobility are at higher risk for heat illness.



#### CHRONIC ILLNESS

People with chronic medical conditions are more likely to have a serious health problem during a heat wave.

Source:  
The Impacts of Climate Change on Human Health in the United States,  
A Scientific Assessment (U.S. Global Changes Research Program)

weather.gov



### "Where's Baby? Look Before You Lock!"

A child's body absorbs more heat on a hot day than an adult's body.

Heat stroke begins when core body temperature reaches around 104°F.

#### Vehicle Safety

Temperatures inside a car on a 90° day can climb to between 120° and 150° in MINUTES!

**NEVER** leave children or pets unattended in or around vehicles.

**ALWAYS** check the back seat.

**IF YOU SEE A CHILD IN AN ABANDONED VEHICLE, CALL 911!**



Weather.gov/Lincoln | NWSLincoln | @NWSLincolnIL | National Weather Service – Lincoln, IL

Hot and muggy summer weather is here in Illinois and that impacts certain populations of people more than others.

It's important that you keep your car locked when parked in the garage or driveway. This can prevent a child from crawling in and getting stuck. Also, always "Look Before You Lock." People are busy and minds are in other places, do a quick check to make sure that you haven't accidentally left your child in the car. Temperatures rise quickly inside a vehicle, even on days when air temperatures aren't as warm.

**NEVER** leave pets inside a car, even for a few minutes!

### Practice HEAT SAFETY Wherever You Are

Heat related deaths are preventable. Protect yourself and others from the impacts of heat waves.



#### Job Sites

Stay hydrated and take breaks in the shade as often as possible.



#### Indoors

Check up on the elderly, sick and those without AC.



#### Vehicles

Never leave kids or pets unattended - LOOK before you LOCK



#### Outdoors

Limit strenuous outdoor activities, find shade, and stay hydrated.



weather.gov/heat

**CPR/AED Awareness Week**

Train for the Moments That Matter  
**CPR & AED Awareness Week**

**CPR & AED Awareness Week | June 1–7, 2021**  
[redcross.org/TakeaClass](https://redcross.org/TakeaClass)



*June 1-7 was National CPR and AED Awareness Week. The American Red Cross stresses that every second counts in cardiac arrest and people can save lives by knowing how to perform CPR and use an automated external defibrillator (AED).*

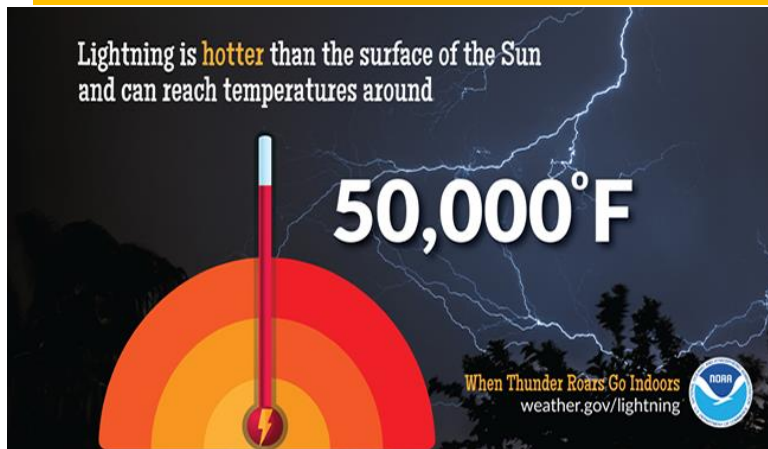
*Cardiac arrest occurs when the heart suddenly stops beating or beats too ineffectively to circulate blood to the brain and other vital organs. More than 350,000 people suffer cardiac arrest annually in the United States, but sadly only 11 percent survive. For every minute without immediate CPR and use of an AED, survival chances drop 10 percent.*

*Be prepared for the moments that matter! Take a class or get re-certified. Visit <https://www.redcross.org/take-a-class> to find a class near you.*





## Lightning Safety Awareness Week



### Lightning Safety & Outdoor Sports Activities

#### When should activities be stopped?

- If you see lightning: The ability to see lightning varies (time of day, weather conditions, and obstructions).
- If you hear thunder: If heard, the storm is probably within 10 miles. Traffic, wind, and precipitation may limit the ability to hear thunder to less than 10 miles.
- If the skies look threatening: Thunderstorms can also develop directly overhead and some storms may develop lightning just as they move into an area.



NATIONAL WEATHER SERVICE - PADUCAH KY



### LIGHTNING TYPES

With **cloud-to-ground lightning (CG)**, a stepped leader, will zigzag downward in roughly 50-yard segments in a forked pattern. This stepped leader is invisible to the human eye.

A return stroke of bright luminosity travels about 60,000 miles per second back towards the cloud. A flash consists of one or perhaps as many as 20 return strokes.

Cloud flashes sometimes have visible channels that extend out into the air around the storm but do not strike the ground, known as **cloud-to-air (CA) lightning**.

The terms sheet lightning or **intra-cloud lightning (IC)** refers to lightning embedded within a cloud that lights up as a sheet of luminosity during the flash.

Lightning can also travel from **cloud-to-cloud (CC)**.

**Two types of lightning flashes:**  
Negatively charged flashes and positive flashes.

<https://www.weather.gov/safety/lightning-science-scienceintro>

NATIONAL WEATHER SERVICE - PADUCAH KY

Lightning Safety Awareness Week was June 20-26<sup>th</sup>. National Lightning Safety Awareness week was started in 2001 to call attention to this underrated killer. Since then, U.S. lightning fatalities have dropped from about 55 per year to less than 30.

There are an estimated 25 million cloud-to-ground lightning flashes each year in the United States, nearly 800,000 of which occur in Illinois alone.

Lightning can be fascinating to watch, but it is also extremely dangerous – it is the underrated killer

Each year in the United States, more than 1,000 people are struck by lightning

On average, around 50 people are killed, and hundreds of others suffer permanent neurological disabilities.

The most important saying to remember is; “When Thunder Roars, Go Indoors!”

To learn more about lightning and lightning safety visit:

<https://www.weather.gov/safety/lightning>

**National Safety Month**

# National Safety Month 2021

an **nsc** program

*June was National Safety Month sponsored by the National Safety Council. Each week had a different theme and topic related to safety.*

*Week 1 - Prevent Incidents Before They Start: Identifying risks and taking proactive safety measures to reduce hazard exposure on important topics from ergonomics to chemical management is crucial to creating a safe workplace.*

*Week 2 - Address Ongoing COVID-19 Safety Concerns: As the pandemic continues, employers play an important role in expanding operations and returning remote workers to physical workspaces, building trust around vaccines, supporting mental health and so much more.*

*Week 3 - It's Vital to Feel Safe on the Job: Being able to be one's self at work without fear of retaliation is necessary for an inclusive safety culture. Leading organizations focus not only on physical safety, but psychological safety as well.*

*Week 4 - Advance Your Safety Journey: Safety is all about continuous improvement. Whether organizationally or individually, NSC can help provide guidance for your path forward.*

To learn more visit: <https://www.nsc.org/work-safety/get-involved/national-safety-month>



## Camp I AM ME Apparatus Parade



*The OSFM was excited to be a part of the 30th Anniversary of the Illinois Fire Safety Alliance's Camp I AM ME fire apparatus parade on June 23<sup>rd</sup>! Last year's camp and parade were held virtually. This year, campers were back, and they loved seeing all the fire trucks and other emergency vehicles. Campers still had to watch from the side of the road and were not able to ride on the trucks this year, but there were still lots of smiles!*

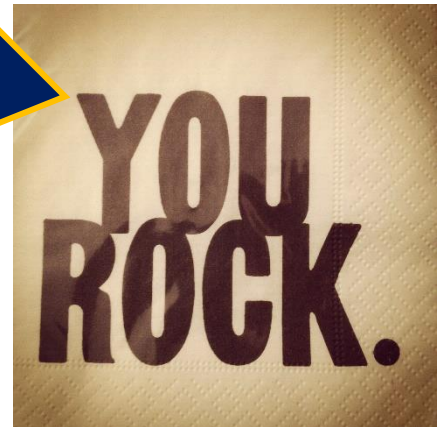


## Shout Outs/Kudos

### *Bernie Arends Tech Services*

*I wanted to take this opportunity to commend Bernie, one of your employees with the State Fire Marshall's Office. He not only promptly returned my phone call but "went the extra mile" in thoroughly answering all my questions and sharing his extensive knowledge how the Fire Codes work in not only the State of Illinois and the City of Chicago but throughout the United States as well. All his information proved invaluable in my assisting one of our new condominium owners in our small 1921 vintage condominium building.*

*Debbie Stamp*

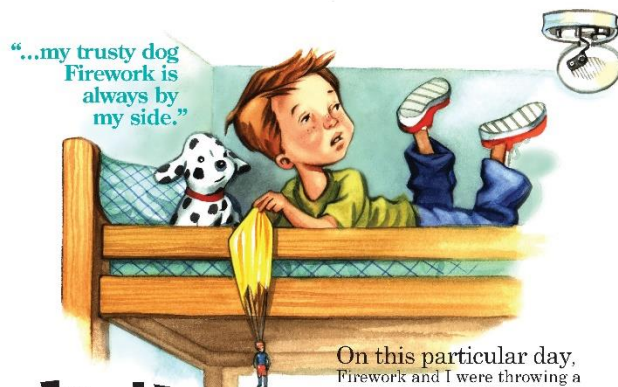


*Centralia Fire Protection District Chief Greg Earle served the district for over 35 years. Chief Earle has been a part of numerous other fire service organizations and served as the President of the Illinois Fire Chiefs Association in 2020. Thanks for your service and leadership Chief! Enjoy your retirement!*



*The OSFM congratulates North Chicago Fire Department Chief Dell Urban on her retirement. She has been a part of the fire service for nearly 30 years! Thanks for your service and leadership Chief!*

## Kid's Corner



### Jack and FireWork:

#### The mysterious case of the missing battery

I am pretty good at figuring out mysteries. I can always tell you who ate the last cookie and who was the last one in the bathroom ...phew. But I can't take all the credit. I don't solve these "crimes" alone — my trusty dog Firework is always by my side. Solving crimes isn't always easy when you have an older sister who is always messing up your cases by sticking her nose in your business. Her name is Gwyneth, or as I like to call her "The Snitch."

8

On this particular day, Firework and I were throwing a parachute man off the top bunk when I noticed my smoke alarm was open and missing its battery. Everyone in Mrs. Beck's 2nd grade class knows that a missing battery in a smoke alarm is trouble. After all, how can they let you know there's a fire if they don't work? Firework and I were on the case. I grabbed my notebook and started looking for clues.

**Clue 1:** My baby brother Owen's pacifier was on the floor right outside my door.

I saw The Snitch coming out of her room, so I grabbed the pacifier and shoved it in my pocket. She gave me a dirty look and shut her door. I ran to Owen's room and it was empty...no sign of him or my mom, so I headed downstairs to the living room.

My mom and Owen were there playing with blocks — no sign of the battery anywhere. Out of the corner of my eye, I noticed that one of the cabinet doors in the kitchen was opened just a crack with something sticking out of it.

**Clue 2:** Open cabinet door.

Upon further inspection, I found an empty pack of batteries inside.

**Clue 3:** Empty battery pack.

As I bent down to pick Firework up (he had fallen while I was looking in the cabinet), I noticed something shiny. "Firework, you found a clue," I said.

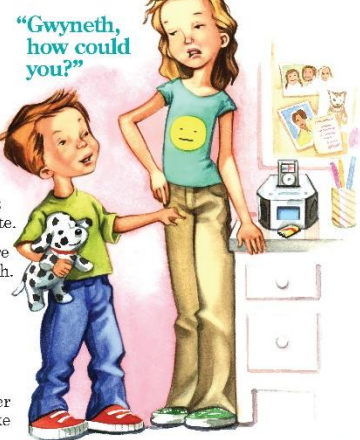
**Clue 4:** The Snitch's favorite bracelet.

I ran upstairs — it was the last place I wanted to go — but there was no other choice! The bracelet was hers, so I needed to investigate.

"Jack, get out of my room or you're burnt toast," screamed The Snitch. This is where the clues led me, so this is where Firework and I were staying. I tried to distract her by showing her a tiny tear in Fireworks ear so I could get a better look around her room. Then I saw it — right there on her desk — in plain view — my smoke alarm battery!

"Gwyneth, how could you?" I shouted. "That is the battery from MY smoke alarm." "Oh that. I was going to give it back. I need a new battery for my game and we were all out. So, I grabbed yours," she said.

Hadn't she been to 2nd grade? I know she went to the fire station open house with my family every year. Didn't she know how wrong it was to take the batteries out of a smoke alarm? I tried to explain but in the end, my job was done. The case was solved and I turned her over to the fire safety police. Well, not really — I just told Mom and Dad.



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**FIREWORKS** start over 19,000 fires and send over 9,000 people to the Emergency Room each year in the US. Don't be a statistic. Celebrate with **safe alternatives!**



Outdoor movie night. Set up a screen and projector.

Use glow sticks, they glow in the dark and are a safe alternative to a sparkler.

Red, white and blue silly string...fun for all ages.



*Instead of letting kids use with sparklers this year consider glow stick and silly string to celebrate. Have a safe and happy 4<sup>th</sup> of July!*

**HAPPY**  
**4<sup>TH</sup> OF JULY**